

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior listings and versions of claims in this application. Please cancel claims 3 and 10, without prejudice or disclaimer, amend claims 1, 2, 6, 11, 12, and 14, and add new claims 37-46, as follows:

1. (Currently Amended) A tissue patch for treatment of a lesion in an alimentary tract of a patient, comprising:
 - a substrate having a first surface and a second surface opposite to the first surface;
 - a sheet of tissue implant attached to the first surface of the substrate; and
 - a protective liner removably attached to at least one of the substrate and the sheet of tissue to cover the sheet of tissue ~~covering at least a portion of the tissue implant,~~
 - ~~wherein the substrate has a first surface for receiving the tissue implant and a second surface opposite to the first surface for facing a lumen of the alimentary tract, and~~
 - ~~wherein the tissue implant occupies an area in the first surface of the substrate, the area being less than the surface area of the first surface.~~
2. (Currently Amended) A tissue patch according to claim 1, wherein the sheet of tissue occupies an area of the first surface, the area being less than the surface

area of the first surface ~~the tissue implant is placed on the first surface of the~~
substrate.

- 3-5. (Canceled).
6. (Currently Amended) A tissue patch according to claim 1, wherein an adhesive material for attaching the protective liner occupies at least a portion of the first surface other than ~~the~~ an area occupied by the tissue implant.
7. (Original) A tissue patch according to claim 1, further comprising an adhesive material to hold the patch proximate the lesion.
8. (Original) A tissue patch according to claim 7, wherein the adhesive material includes cyano-acrylate.
9. (Original) A tissue patch according to claim 7, wherein the protective liner is attached to the substrate via the adhesive material.
10. (Canceled).
11. (Currently Amended) A tissue patch according to claim ~~10~~ 1, wherein the protective liner is configured to be peeled away from the at least one of the substrate and the tissue implant.

12. (Currently Amended) A tissue patch according to claim 1, wherein the protective liner is removably attached to the first surface of the substrate.
13. (Original) A tissue patch according to claim 1, wherein the substrate is a bio-absorbable gel.
14. (Currently Amended) A tissue patch according to claim 13, wherein the substrate includes a bio-absorbable material having a predetermined thickness designed to last for a predetermined time period required for healing of the lesion so as to protect the sheet of tissue ~~implant~~ from conditions in the alimentary tract.
15. (Previously Presented) A tissue patch according to claim 1, wherein the substrate includes a therapeutic agent selected from a group consisting of human growth hormone, genetically engineered cells, antibiotics, analgesics, and pH sensitive or reactive chemicals.
16. (Original) A tissue patch according to claim 15, wherein the therapeutic agent is infused into the substrate.
17. (Original) A tissue patch according to claim 15, wherein the therapeutic agent is layered in a predetermined depth within the substrate so that the therapeutic agent activates at a predetermined time.

18. (Original) A tissue patch according to claim 1, wherein the patch is configured to be delivered endoluminally.
19. (Original) A tissue patch according to claim 18, wherein the patch is configured to be folded into a contracted state during delivery into the lesion.
20. (Original) A tissue patch according to claim 19, wherein the patch is capable of expanding upon deployment into the lesion.
21. (Original) A tissue patch according to claim 1, wherein the patch is configured to be rolled into a cylindrical shape.
22. (Original) A tissue patch according to claim 1, wherein the tissue implant is a genetically engineered tissue.
23. (Original) A tissue patch according to claim 1, further comprising a carrier attached to the substrate.
24. (Previously Presented) A tissue patch according to claim 23, wherein the carrier is configured to be peeled away from the substrate.

25. (Original) A method of treating a lesion in a lumen of patient's body, comprising:
- providing a tissue patch having a tissue implant attached to a substrate
 - and a protective liner covering at least a portion of the tissue implant;
 - forming the tissue patch into a contracted state;
 - inserting the tissue patch in the contracted state into a lumen containing the lesion;
 - positioning the tissue patch in the vicinity of the lesion;
 - removing the protective liner to reveal the tissue implant; and
 - placing the tissue implant in the lesion.
26. (Original) A method according to claim 25, further comprising placing the tissue patch on a portion of a catheter for inserting the tissue patch in the contracted state.
27. (Original) A method according to claim 25, further comprising expanding the tissue patch from the contracted state before the step of removing the protective liner.
28. (Original) A method according to claim 25, wherein an adhesive material is provided on the substrate and the protective liner attaches to the adhesive material.

29. (Original) A method according to claim 25, wherein at least a portion of the substrate includes an adhesive material.
30. (Original) A method according to claim 25, wherein the tissue implant is placed on a surface of the substrate.
31. (Original) A method according to claim 25, wherein the tissue implant is embedded in the substrate in a form of a cellular suspension.
32. (Original) A method according to claim 25, wherein the substrate is a bio-absorbable gel.
33. (Original) A method according to claim 25, further comprising attaching a carrier to the substrate on a surface opposite to the surface facing the lesion and removing the carrier from the substrate after the tissue implant is placed in the lesion.
34. (Original) A method according to claim 25, wherein the tissue implant is an engineered tissue.
35. (Original) A method according to claim 25, wherein forming the tissue patch into a contracted state includes folding the tissue patch.

36. (Original) A method according to claim 25, wherein forming the tissue patch into a contracted state includes rolling the tissue patch into a cylindrical shape.
37. (New) A tissue patch for treatment of a lesion in an alimentary tract of a patient, comprising:
- a substrate having a first surface and a second surface opposite the first surface;
 - a tissue implant attached to the first surface of the substrate and occupying a first area of the first surface;
 - a protective liner attached to the first surface of the substrate so that the tissue implant is placed between the substrate and the protective liner;
 - and
 - an adhesive material for attaching the protective liner to the substrate, wherein the adhesive material occupies a second area of the first surface that is different from the first area.
38. (New) A tissue patch according to claim 37, wherein the second area comprises an outer edge of the first surface.
39. (New) A tissue patch according to claim 37, wherein the protective liner is removably attached to the substrate.

40. (New) A tissue patch according to claim 37, wherein the adhesive material is configured to hold the patch proximate the lesion after the protective liner is removed.
41. (New) A tissue patch according to claim 37, wherein the protective liner is configured to be peeled away from the substrate.
42. (New) A tissue patch according to claim 37, wherein the substrate includes a therapeutic agent.
43. (New) A tissue patch according to claim 37, wherein the patch is configured to be folded into a contracted state during delivery into the lesion.
44. (New) A tissue patch according to claim 37, wherein the patch is capable of expanding upon deployment into the lesion.
45. (New) A tissue patch according to claim 37, wherein the tissue implant comprises a sheet of tissue.
46. (New) A method according to claim 25, wherein the tissue implant comprises a sheet of tissue.